Rapid Inflation Air Compressor

Operating Instructions and Parts Manual

WL6700 Series

FRANÇAISE: Page 20
ESPAÑOL: Página 40

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Table of Contents

Description **3**
Safety Guidelines **4**
Safety Symbols **4**
Important Safety Information. **4**
Instructions Pertaining to a Risk of Fire, Electric Shock, or Injury to Persons 4
California Proposition 65 4
Breathable Air Warning. **4**
DISCLAIMER OF WARRANTIES 4
General 4
Work Area.....5
Personal Safety 5
Electrical Safety.....5
Use and Care 5
Spraying Precautions 6
Air Source.....6
Service.....6
Save These Instructions Do Not Discard 6
Unpacking **7**
Contents in the Carton 7
Additional Items Not Included 7
Glossary **8**
Getting To Know Your Compressor **9**
Unpacking **9**
Recommended Uses for this Compressor 9
Assembly **10**
Tools Required for Assembly..... 10
Handle Assembly 10
Inflation Hose Assembly..... 10
Installation **10**
Location 10
Wheel Lock/Foot Brake 11
Electrical Installation..... 11
Grounding Instructions 11
Wiring 11
Operation **12**
Moisture in Compressed Air 12
Lubrication 12
ASME Safety Valve 12
Click-To-Set Regulator Knob..... 12
Outlet (Tool) Pressure Gauge 13
Tank Pressure Gauge..... 13
Storage Top 13
Rapid Inflation Technology..... 13
To use compressor for Inflation: 13
To use compressor for Air Tool Usage: 13
End of Operation/Storage 14
Maintenance **14**
ASME Safety Valve 14
Drain Tank..... 14
Cleaning 15
Air Filter 15
Lubrication 15
Thermal Overload Protector 15
Torque Requirements..... 15
Technical Service 15
Troubleshooting Guide **16**
Replacement Parts List for Pump, Model WL390100. ..... **17**
TorqueRequirements 17
Replacement Parts List for Rapid Inflation Air Compressor **19**
Warranty **20**

For parts, product and service information

Visit: www.chpower.com

Call: Customer Service at 1-800-543-6400

Address any correspondence to: Campbell Hausfeld
Attn: Customer Service
100 Production Drive
Harrison, OH 45030 U.S.A.

CAMPBELL HAUSFELD®

Rapid Inflation Air Compressor

Description

Oilless compressors are designed for do-it-yourselfers with a variety of home and automotive jobs. These compressors power spray guns, impact wrenches and other tools. These units operate without oil.

Figure 1 - WL6700 Series

Specifications

WL6700 Series

Running HP: 1.7 (ISO 1217)

Free Air CFM: 3.8 @ 90 psi (ISO 1217)

Free Air CFM: 5.6 @ 40 psi (ISO 1217)

Tank Capacity (gallons): 18, 22, 26, or 30

Volts, Phase: 120 V, single

Amp Draw: 15

Max. Working Pressure: 150

Max. Duty Cycle: 50%

Record the model number and serial number, located on the back of the tank, and date of purchase in the space below.

Model #: _____

Serial #: _____

Date of Purchase: _____

Retain these numbers for future reference.

Safety Guidelines

This manual contains information that is very important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.

⚠ DANGER ***Danger indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.***

⚠ WARNING ***Warning indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.***

⚠ CAUTION ***Caution indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury.***

NOTICE ***Notice indicates important information, that if not followed, may cause damage to equipment.***

IMPORTANT: Information that requires special attention.

Safety Symbols

The following Safety Symbols appear throughout this manual to alert you to important safety hazards and precautions.

Wear Eye and Mask Protection

Read Manual First

Risk of Fire

Wear Eye and Ear Protection

Hot Parts

Risk of Falling

Risk of Electrocution

Risk of Explosion

Risk of Fumes

Important Safety Information

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

This manual contains important safety, operational and maintenance information. If you have any questions, please call 1-800-543-6400 for customer assistance.

Since the air compressor and other components (material pump, spray guns, filters, lubricators, hoses, etc.) used, make up a high pressure pumping system, the following safety precautions must be observed at all times:

CALIFORNIA PROPOSITION 65

⚠ WARNING ***This product or its power cord may contain chemicals, including lead, known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.***

⚠ WARNING ***You can create dust when you cut, sand, drill or grind materials such as wood, paint, metal, concrete, cement, or other masonry. This dust often contains chemicals known to cause cancer, birth defects, or other reproductive harm. Wear protective gear.***

⚠ DANGER

Breathable Air Warning

This compressor/pump is not equipped and should not be used "as is" to supply breathing quality air. For any application of air for human consumption, the air compressor/pump will need to be fitted with suitable in-line safety and alarm equipment. This additional equipment is necessary to properly filter and purify the air to meet minimal specifications for Grade D breathing as described in Compressed Gas Association Commodity Specification G 7.1 - 1966, OSHA 29 CFR 1910. 134, and/or Canadian Standards Associations (CSA).

DISCLAIMER OF WARRANTIES

In the event the compressor is used for the purpose of breathing air application and proper in-line safety and alarm equipment is not simultaneously used, existing warranties shall be voided, and Campbell Hausfeld disclaims any liability whatsoever for any loss, personal injury or damage.

GENERAL

a. **To reduce the risks of electric shock, fire, and injury to persons, read all the instructions before using the tool. Failure to follow warnings, dangers, and cautions could result in DEATH or SERIOUS INJURY.**

b. **Be thoroughly familiar with the controls and the proper use of the equipment.** Follow all instructions. Contact your Campbell Hausfeld representative if you have any questions.

c. **Follow all local electrical and safety codes as well as in the US, National Electrical Codes (NEC) and Occupational Safety and Health Act (OSHA).**

d. **Only persons well acquainted with these rules of safe operation should be allowed to use the unit.**

Important Safety Information (Continued)

WORK AREA

a. **Keep the work area clean and well lighted.** Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.

b. **Keep bystanders, children, and visitors away while operating.** Distractions are able to result in the loss of control. NEVER allow children in the work area.

⚠ WARNING ***Motors, electrical equipment and controls can cause electrical arcs that will ignite a flammable gas or vapor. Never operate or repair in or near a flammable gas or vapor. Never store or spray flammable liquids or gases in the vicinity of the compressor.***

c. **To reduce fire hazard, keep engine/motor exterior free of oil, solvent, or excessive grease.**

PERSONAL SAFETY

a. **Stay alert. Watch what you are doing and use common sense when operating the tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating the tool increases the risk of injury to persons.

⚠ WARNING ***Ensuring that the tool is used only when the operator and all other personnel in the work area are wearing ANSI Z87 eye protection equipment, and when required, other appropriate protection equipment such as head, hearing and foot protection equipment. Serious eye or permanent hearing loss could result.***

b. **Always wear hearing protection when using the tool.** Prolonged exposure to high intensity noise is able to cause hearing loss.

c. **Always work in a well-ventilated area. Wear OSHA-approved dust mask.**

d. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair increases the risk of injury to persons as a result of being caught in moving parts.

⚠ CAUTION ***Compressor parts may be hot even if the unit is stopped.***

e. **Keep fingers away from a running compressor**; fast moving and hot parts will cause injury and/or burns.

f. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.

ELECTRICAL SAFETY

⚠ DANGER ***Risk of electrical shock. Always disconnect from power source before servicing. Servicing should be performed by authorized service center.***

USE AND CARE

⚠ WARNING ***Never use plastic (PVC) pipe for compressed air. Serious injury or death could result.***

a. **Before each use, inspect compressed air system and electrical components for signs of damage, deterioration, weakness or leakage.** Repair or replace defective items before using.

b. **Check all fasteners at frequent intervals for proper tightness.**

c. **Check air hoses for weak or worn condition before each use.** Make sure all connections are secure.

d. **Do not stand on or use the pump or unit as a handhold.**

e. **If the equipment should start to abnormally vibrate, STOP the engine/motor and check immediately for the cause.** Vibration is generally a warning of trouble.

⚠ WARNING ***Never remove or attempt to adjust safety valve. Keep safety valve free from paint and other accumulations.***

f. **Do not alter or tamper with the safety relief valve.** In the event that the safety relief valve is tampered with, existing warranties shall be voided and Campbell Hausfeld disclaims any liability whatsoever for any loss, personal injury or damage.

⚠ DANGER ***Never attempt to repair or modify a tank! Welding, drilling or any other modification will weaken the tank resulting in damage from rupture or explosion. Always replace worn or damaged tanks.***

NOTICE ***Drain liquid from tank daily.***

g. **Make sure to drain tank regularly and inspect periodically for unsafe conditions such as rust formation and corrosion.** Tanks rust from moisture build-up, which weakens the tank.

h. **Release air slowly when draining moisture or depressurizing the compressor system.** Fast moving air will stir up dust and debris which may be harmful.

i. **Do not remove any warning labels from the unit.**

j. **Store inside.** Do not store outside or in direct sunlight.

Important Safety Information (Continued)

SPRAYING PRECAUTIONS

⚠ WARNING ***Do not spray flammable materials in vicinity of open flame or near ignition sources including the compressor unit.***

a. **Do not smoke when spraying paint, insecticides, or other flammable substances.**

b. **Use a face mask/respirator when spraying and spray in a well ventilated area to prevent health and fire hazards.**

c. **Do not direct paint or other sprayed material at the compressor.** Locate compressor as far away from the spraying area as possible to minimize overspray accumulation on the compressor.

d. **WHEN SPRAYING OR CLEANING WITH SOLVENTS OR TOXIC CHEMICALS, FOLLOW THE INSTRUCTIONS PROVIDED BY THE CHEMICAL MANUFACTURER.**

AIR SOURCE

NOTICE ***Air compressors providing air to the tank should follow the requirements established by the American National Standards Institute Standard B19.3-1991; Safety Standard for Compressors for Process Industries. Contact your air compressor manufacturer for information.***

SERVICE

a. **Release air pressure from air tank by pulling safety relief ring before servicing or replacing parts.**

b. **Service must be performed only by qualified repair personnel.**

⚠ DANGER ***Never attempt to repair or modify a tank! Welding, drilling or any other modification will weaken the tank resulting in damage from rupture or explosion. Always replace worn or damaged tanks.***

c. **When servicing a tool, use only identical replacement parts. Use only authorized parts.**

NOTE: ***The*** **DANGER, WARNING, CAUTION,** ***and*** **NOTICE** ***notifications and instructions in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.***

SAVE THESE INSTRUCTIONS
DO NOT DISCARD

Unpacking

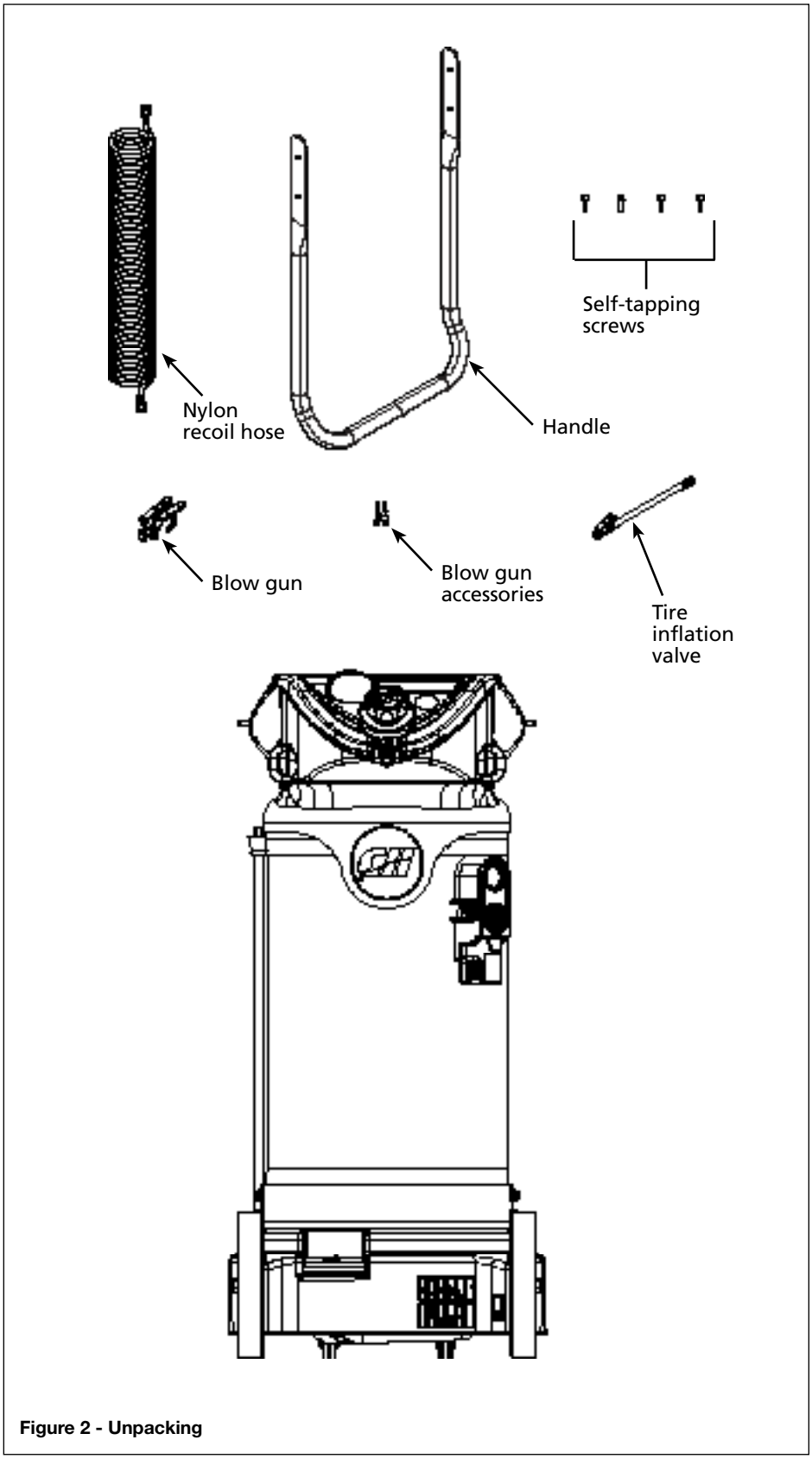


Figure 2 - Unpacking

After unpacking the unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing or damaged parts. Make sure to tighten fittings, bolts, etc., before putting unit into service. Check to be sure all supplied accessories are enclosed with the unit. In case of questions, damaged or missing parts, please call 1-800-543-6400 for customer assistance.

⚠ WARNING

- ***Do not operate unit if damaged during shipping, handling or use. Damage may result in bursting and cause injury or property damage.***
- ***For your own safety, never operate unit until all assembly steps are complete and until you have read and understood the entire operator's manual.***
- ***To reduce the risk of injury, if any parts are missing, do not attempt to assemble the air compressor until the missing parts are obtained and installed correctly.***

CONTENTS IN THE CARTON

- Blow gun accessories
- Handle with grip
- Blow gun
- Nylon recoil hose
- (4) Self-tapping screws
- Tire inflation valve
- Operating Instructions and Parts Manual
- Warranty Card

ADDITIONAL ITEMS NOT INCLUDED

- Air Hose
- ANSI Z87 Eye Protection
- Hearing Protection
- Other Personal Protective Gear as required

Read & Follow All Instructions

Save These Instructions
Do Not Discard

Glossary

Become familiar with these terms before operating the unit.

AIR DELIVERY - A combination of psi and SCFM. The air delivery required by a tool is stated as (number) SCFM at (number) psi. The combination of these figures determines what size unit is needed.

AIR TANK CAPACITY - The volume of air stored in the tank and available for immediate use. A large tank allows the intermittent use of an air tool with an air requirement higher than the compressor's rated delivery.

ASME SAFETY VALVE - This valve automatically releases air if the tank pressure exceeds the preset maximum.

CLICK-TO-SET REGULATOR - The regulator controls the amount of air pressure released at the hose outlet to the proper amount needed to operate an air tool or spray gun.

CUT-IN/CUT-OFF PRESSURE - Specific psi at which a compressor starts and stops while refilling the air tank.

EASY DRAIN KNOB - This knob is used to drain moisture from the tank daily to reduce the risk of corrosion.

FOOT PEDAL ON/OFF SWITCH - Used to turn the compressor on and off.

MOTOR PROTECTION - If the unit is over worked, a thermal switch will shut unit off. If this happens, turn unit **OFF** the ON/OFF Switch, wait 30 minutes to cool, turn **ON** the ON/OFF Switch again to resume work.

OUTLET (TOOL) PRESSURE GAUGE - Displays the current outlet pressure to the tool in psi. It is regulated by the regulator knob.

PRESSURE SWITCH -Shuts the compressor off automatically when tank pressure reaches the maximum preset pressure. The compressor will automatically restart when it reaches the minimum preset pressure.

PSI (POUNDS PER SQUARE INCH) - Measurement of the pressure exerted by the force of the air. The actual psi output is measured by a pressure gauge on the compressor.

SCFM (STANDARD CUBIC FEET PER MINUTE) - Sometimes called CFM (Cubic Feet per Minute). Measurement of air volume delivered by the compressor.

TANK PRESSURE GAUGE - Indicates tank pressure in psi.

TOOL STORAGE - The open space on top of compressor is designed for tool storage. Specific Campbell Hausfeld tool kits will fit in this storage area.

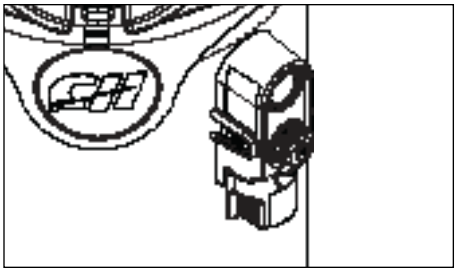


Figure 3 - ASME Safety Valve

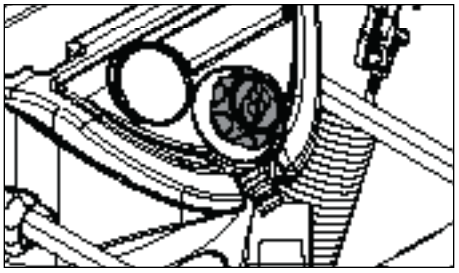


Figure 4 - Click-To-Set Regulator

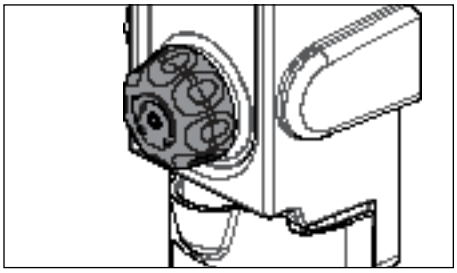


Figure 5 - Easy Drain Knob

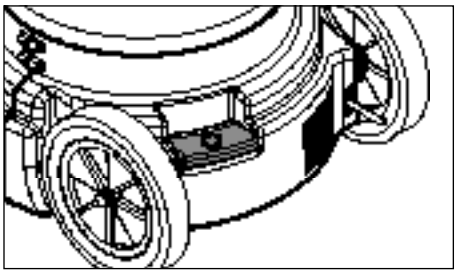


Figure 6 - Foot Pedal ON/OFF Switch

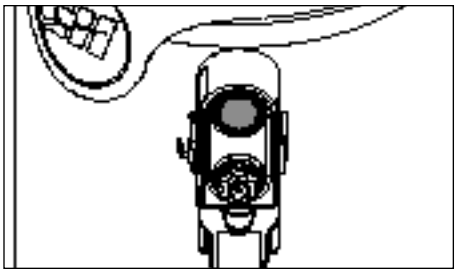


Figure 7 - Tank Pressure Gauge

Getting To Know Your Compressor

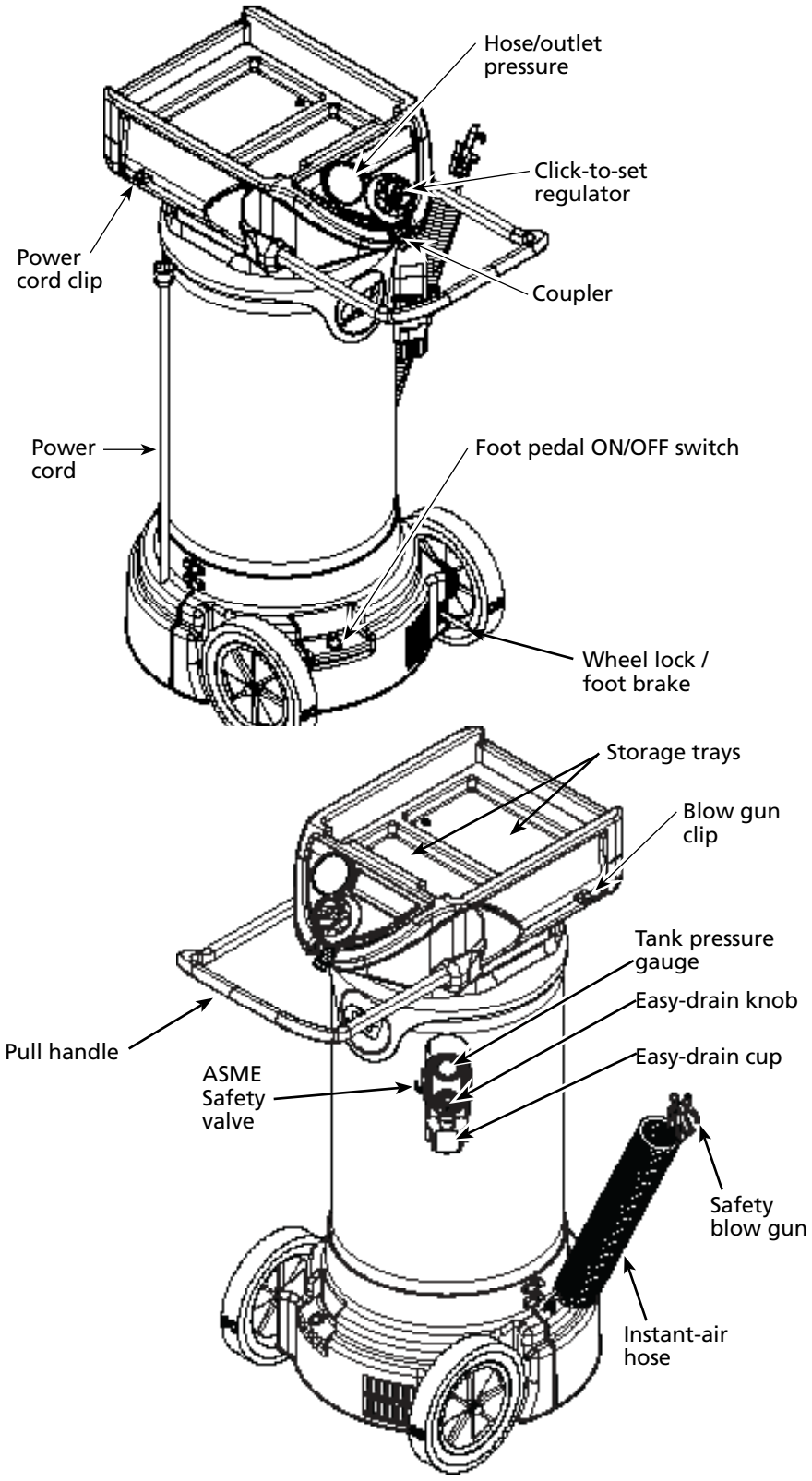


Figure 8 - Components of the compressor

RECOMMENDED USES FOR THIS COMPRESSOR

- Auto maintenance
- Auto restoration
- Fastening
- Home maintenance
- Inflation
- Woodworking

TOOL RECOMMENDATION FOR THIS COMPRESSOR

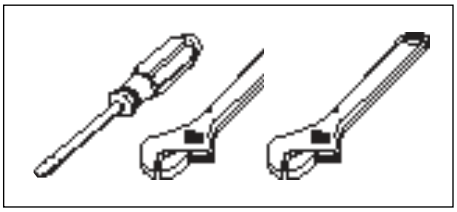
Continuous Use —
Inflation accessories
Airbrush
Air screwdrivers
Brad nailers and Staplers
Caulk guns
Engine cleaners
Finish nailers
Grease guns
Home spray guns
Impact wrench
Ratchets
Reciprocating saws
Roofing and Framing nailers

Intermittent Use (Short powerful bursts) —
Air chisels
Air drills
Automotive spray guns
Die grinders

Tools Not Recommended —
Cut-off tools
Dual action sanders
Highspeed sanders
Jitterbug sanders
Straight line sanders

Assembly

TOOLS REQUIRED FOR ASSEMBLY



- Screwdriver
- (2) Wrenches

HANDLE ASSEMBLY

1. Slide handle into shroud holes until the holes of the handle line up with the holes of the tank bracket.
2. Insert and tighten screws to hold the handle in place.

INFLATION HOSE ASSEMBLY

1. Thread the coil hose into the fitting on the shroud. Use 2 adjustable wrenches, as shown in Figure 10, to tighten the connection.
2. Screw blow gun onto the end of the coil hose.

Once the recoil hose and blow gun are attached, make sure no pressure is in tank before replacing. Recoil hose and blow gun must be installed for unit to operate properly.

Installation

LOCATION

When assembled, the tank must sit level to allow the tank to drain properly.

It is extremely important to install the compressor in a clean, well ventilated area where the surrounding air temperature will not be more than 100°F.

A minimum clearance of 18 inches between the compressor and a wall is required because objects could obstruct air flow.

⚠ CAUTION ***Do not locate the compressor air inlet near steam, paint spray, sandblast areas or any other source of contamination. This debris will damage the motor.***

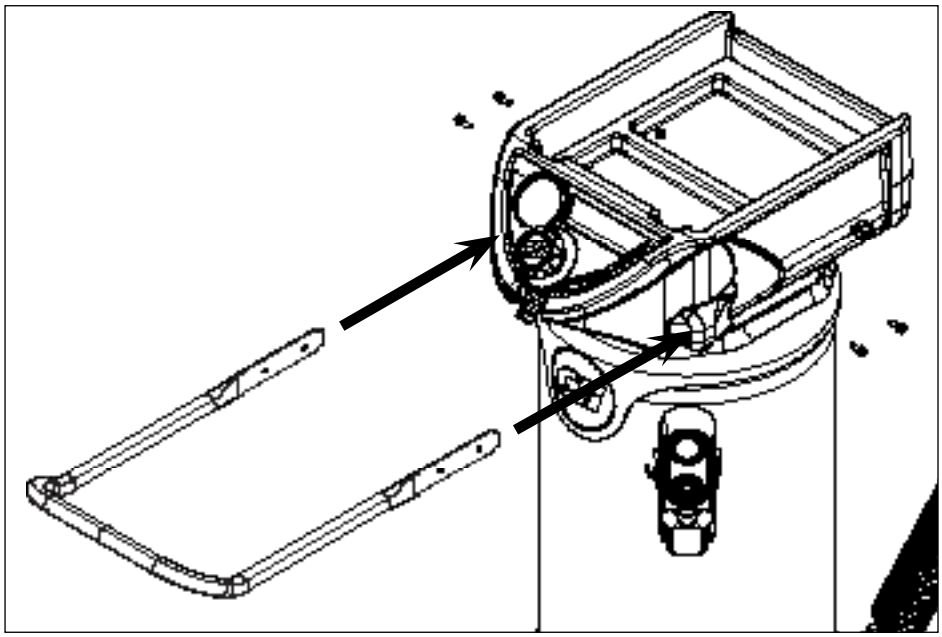


Figure 9 - Handle assembly

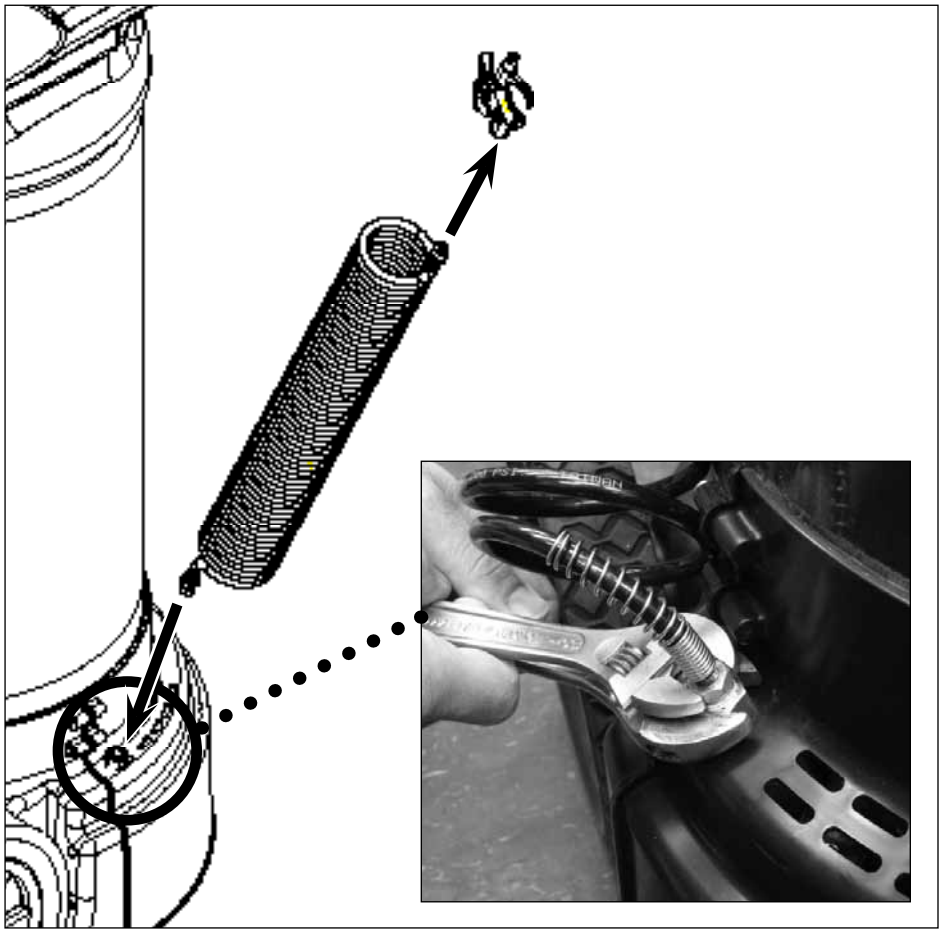


Figure 10 - Inflation hose assembly

Installation (Continued)

WHEEL LOCK/FOOT BRAKE

To move the compressor, use your foot to lift the foot brake lever to disengage the brake.

Once the compressor is at the desire location, use your foot to push down on the foot brake lever to engage the brake.

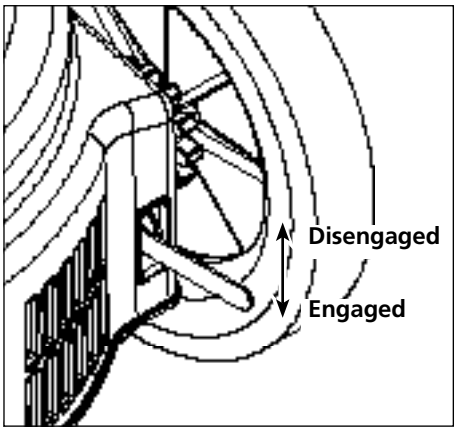


Figure 11 - Wheel Lock/Foot Brake

ELECTRICAL INSTALLATION

⚠ WARNING ***All wiring and electrical connections should be performed by a qualified electrician. Installation must be in accordance with local codes and national electrical codes.***

⚠ CAUTION ***Never use an extension cord with this product. Use additional air hose instead of an extension cord to avoid power loss and permanent motor damage.***

GROUNDING INSTRUCTIONS

1. This product is for use on a nominal 120 volt circuit and has a grounding plug that looks like the plug illustrated in Figure 12. Only connect the product to an outlet having the same configuration as the plug. Do not use an adapter with this product. In the event of an electrical short circuit, grounding reduces risk of electrical shock by providing an escape wire for electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. Plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

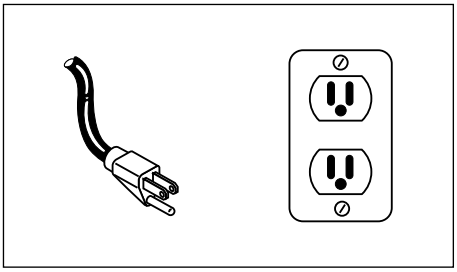


Figure 12 - Grounding method

⚠ DANGER ***Improper use of grounding plug can result in a possible risk of electrical shock!***

⚠ DANGER ***Do not use a grounding adapter with this product!***

2. If repair or replacement of cord or plug is necessary, do not connect grounding wire to either flat blade terminal. The wire with insulation having an external surface that is green (with or without yellow stripes) is the grounding wire.

⚠ WARNING ***Never connect green (or green and yellow) wire to a live terminal.***

3. Check with a qualified electrician or serviceman if grounding instructions are not completely understood, or if in doubt as to whether product is properly grounded. Do not modify plug provided; if it will not fit outlet, have proper outlet installed by a qualified electrician.

WIRING

1. Local electrical wiring codes differ from area to area. Source wiring, plug and protector must be rated for at least the amperage and voltage indicated on motor nameplate, and meet all electrical codes for this minimum.
2. Use a slow blow fuse or a circuit breaker.

⚠ CAUTION ***Overheating, short circuiting and fire damage will result from inadequate wiring, etc.***

NOTE: 120 volt, 15 amp units can be operated on a 120 volt circuit under the following conditions:

a. No other electrical appliances or lights are connected to the same branch circuit.

b. Voltage supply is normal.

c. Circuit is equipped with a 15 amp circuit breaker or a 15 amp slow blow fuse.

Installation (Continued)

3. If these conditions cannot be met or if nuisance tripping of current protection device occurs, it may be necessary to operate compressor from a 120 volt, 20 amp circuit.

Operation

MOISTURE IN COMPRESSED AIR

Moisture in compressed air will form into droplets as it comes from an air compressor pump. When humidity is high or when a compressor is in continuous use for an extended period of time, this moisture will collect in the tank. When using a paint spray or sandblast gun, this water will be carried from the tank through the hose, and out of the gun as droplets mixed with the spray material.

IMPORTANT: This condensation will cause water spots in a paint job, especially when spraying other than water based paints. If sandblasting, it will cause the sand to cake and clog the gun, rendering it ineffective. A filter in the air line (MP3105), located as near to the gun as possible, will help eliminate this moisture.

This compressor can be used for general inflation as well as intermittent duty air tool usage. For inflation purposes, this compressor utilizes a new technology called Rapid Inflation Technology (RIT).

IMPORTANT: Make sure the Wheel Lock/Foot Brake is engaged before operating the unit *(See Figure 11)*.

LUBRICATION

This is an oilless product and **DOES NOT** require lubrication to operate.

ASME SAFETY VALVE

⚠ WARNING ***Do not remove or attempt to adjust the safety valve!***

This valve should be checked under pressure occasionally by pulling the ring by hand *(See Figure 13)*. If air leaks after ring has been released, or valve is stuck and cannot be actuated by ring, it MUST be replaced.

CLICK-TO-SET REGULATOR KNOB

1. This knob controls air pressure to an air operated tool, or paint spray gun.
2. Turning knob clockwise increases air pressure at outlet.
3. Turning counterclockwise will lower air pressure at outlet.
4. Fully counterclockwise will shut off flow of air completely.

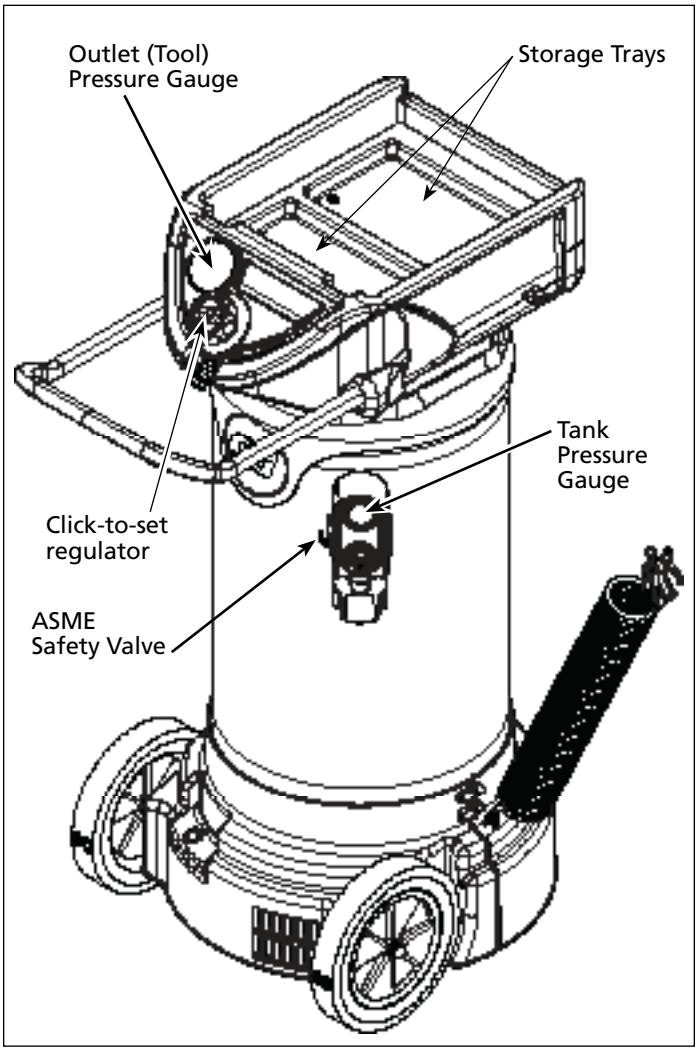


Figure 13

Operation (Continued)

OUTLET (TOOL) PRESSURE GAUGE

1. This gauge shows at-a-glance, air pressure at outlet. Air pressure is measured in pounds per square inch (psi).
2. Be sure this gauge reads ZERO before changing air tools or disconnecting hose from outlet.

TANK PRESSURE GAUGE

Gauge shows pressure in tank indicating compressor is building pressure properly.

STORAGE TOP

The storage tray compartments, located on the top of the compressor, are designed for easy tool storage. Unique tool kits, available at your local retailer or on www.chpower.com, store easily on top of the unit.

RAPID INFLATION TECHNOLOGY

When the compressor is used in this mode, the air being produced from the compressor pump will go directly to the recoil hose which will attach to the bottom of the compressor. This will eliminate waiting for the compressor tank to fill up which will allow for significantly faster inflation.

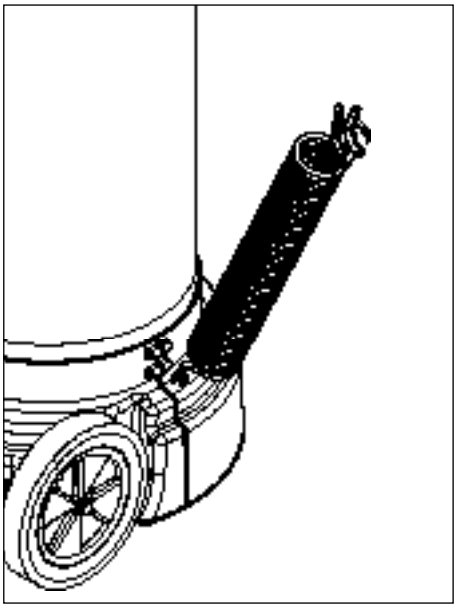


Figure 14 - Rapid Inflation Technology

⚠ WARNING ***Instant air hose will get hot while the compressor is on and during the inflation process.***

NOTICE ***Drain water from tank prior to inflation.***

TO USE COMPRESSOR FOR INFLATION:

1. Connect recoil hose to open port located on the bottom of compressor *(See Figures 10 and 14)*. **The coil hose and blow gun must remain attached so that the unit operates properly.**
2. Attach blow gun to the other end of the recoil hose. The blow gun should ALWAYS be connected to the recoil hose.
3. To inflate balls, rafts, etc. attach inflation needle or nozzle to the end of blow gun.
4. To inflate tires, attach tire inflation valve to the end of blow gun.
5. Attach the blow gun with appropriate inflation device to object needing inflation.
6. Turn on compressor and inflate by squeezing the trigger.

NOTICE ***Use caution to avoid over inflation.***

7. When inflation is complete, blow gun can be attached to the clip that is molded on the side of the top shroud for convenient storage.

Figure 15

TO USE COMPRESSOR FOR AIR TOOL USAGE:

1. Connect separate hose (not included) to the coupler located below pressure regulator by pulling the sleeve on coupler all of the way back, then push hose into coupler and release sleeve *(See Figure 16)*.
2. Close regulator (turn knob fully counterclockwise to the left).
3. Turn compressor on and allow it to fill tank until it reaches automatic shut off pressure.
4. Attach air tool, paint gun, nailer, etc. to end of air hose.
5. Adjust regulator for desired application. Regulator has preset “click-to-set” feature which should closely match application pictures on outlet pressure gauge.
6. Use compressor for desired application.

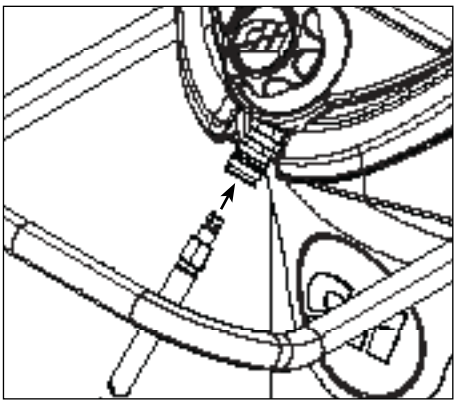


Figure 16 - Attach hose to coupler

Operation (Continued)

END OF OPERATION/STORAGE

1. Turn compressor OFF at foot pedal ON/OFF switch.
2. Unplug power cord from wall outlet and attach to clip that is molded on the side of the top shroud.
3. Drain tank of condensation as outlined in the Drain Tank section below.
4. Wearing safety glasses, drain tank of any remaining air pressure by pulling the ring on the safety valve. Use other hand to deflect any fast moving air that may be directed towards your face.
5. Store compressor in a cool, dry place.

Maintenance

⚠ WARNING ***Disconnect power source then release all pressure from the system before attempting to install, service, relocate or perform any maintenance. Service should be performed by an authorized service representative.***

The compressor should be checked often for any visible problems and the following maintenance procedures should be performed each time the compressor is used.

ASME SAFETY VALVE

⚠ WARNING ***Do not remove or attempt to adjust the safety valve!***

Check the safety valve by performing the following steps:

1. Plug the compressor in and run until shut off pressure is reached (see Operating Procedure).
2. Wearing safety glasses, pull the ring on the safety valve to release pressure from compressor tank. Use your other hand to deflect fast-moving air from being directed toward your face.
3. The safety valve should automatically close at approximately 40-50 psi. If the safety valve does not allow air to be released when you pull on the ring, or if it does not close automatically, it MUST be replaced.

DRAIN TANK

1. Turn compressor off at foot pedal switch.
2. Check air pressure in tank. To properly drain tank of condensation, tank pressure should be between 20-60 psi. Drain system will not work if there is no pressure in the tank. If tank pressure is above 60 psi, drain tank by pulling the ring on the safety valve. The safety valve should release air and then automatically close at approximately 40-50 psi.
3. Slowly turn easy drain knob, located below the tank gauge, to the left (counterclockwise) until fluid begins to fill drain cup. Watch draining to make sure drain cup does not overflow. If there is a lot of fluid in the tank, you may need to close drain knob by turning fully to the right (clockwise) then remove the drain cup to dispose of fluid.
4. When fluid stops draining, close drain knob by turning all the way to the right (clockwise).
5. Lift cup up and pull out to dispose of drained fluid. Reinsert cup, making sure to secure in place.

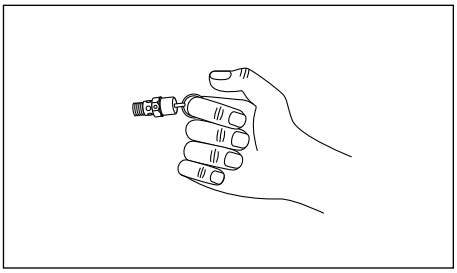


Figure 17 - Safety valve

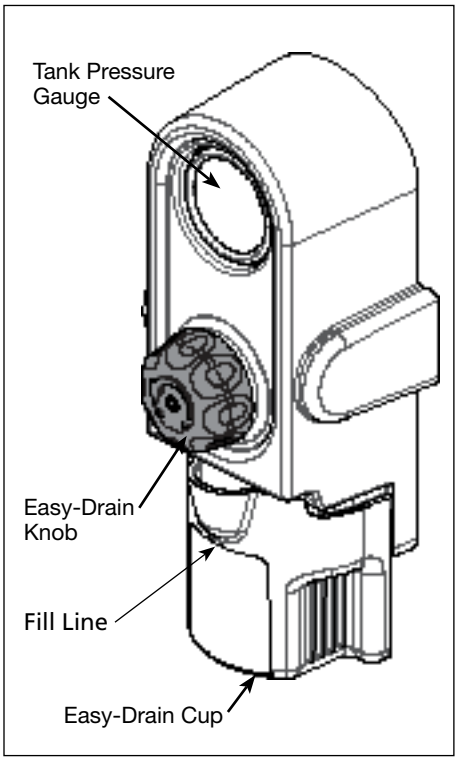


Figure 18 - Draining tank

Maintenance (Continued)

CLEANING

Turn power OFF and clean dust and dirt from motor, tank, and air lines.

IMPORTANT: Unit should be located as far from spraying area as hose will allow to prevent over-spray from entering the pump.

AIR FILTER

Check air filter to be sure it is clean. To service the air filter, tip the unit back, resting the wheels and handle on the floor (See Figure 19). Remove the filter housing cover. Remove filter and blow off dirt. Replace air filter if it can not be cleaned. Place filter back in the housing base. Replace cover.

LUBRICATION

This is an oilless type compressor requiring no lubrication.

THERMAL OVERLOAD PROTECTOR

⚠ CAUTION ***This compressor is equipped with an automatic reset thermal overload protector which will shut off motor if it becomes overheated.***

If thermal overload protector shuts motor OFF frequently look for the following causes:

1. Low voltage
2. Lack of proper ventilation

⚠ CAUTION ***If the thermal overload protector is actuated, the motor must be allowed to cool down before startup is possible. The motor will automatically restart without warning if left plugged into electrical outlet and unit is turned on.***

TORQUE REQUIREMENTS

Piston Bolt . . . . . 350 - 450 in. Ibs.

Head Bolts . . . . . 90 - 120 in. Ibs.

TECHNICAL SERVICE

For information regarding the operation or repair of this product, please call
1-800-543-6400.

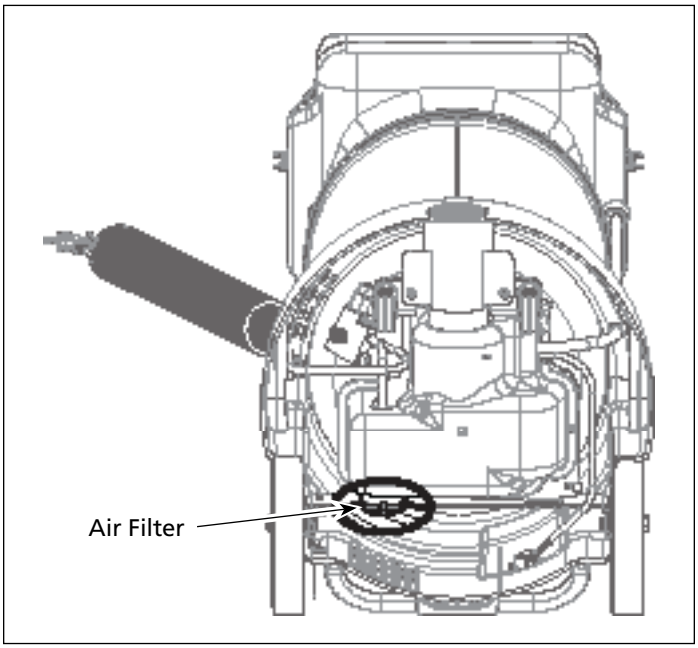


Figure 19 - Air Filter

Troubleshooting Guide

SYMPTOM	CAUSE	SOLUTION
Compressor will not run	1. No electrical power	1. Plugged in? Switch on? Check fuse/breaker
	2. Breaker open	2. Reset, determine cause of problem
	3. Pressure switch bad	3. Replace
	4. Motor over worked	4. Turn off, let cool, turn on.
	5. Tank pressure above cut-in	5. Bleed tank pressure down to cut-in.
Fuses blow/circuit breaker trips repeatedly	1. Incorrect size fuse, circuit overloaded	1. Check for proper fuse, use time-delay fuse. Disconnect other electrical appliances from circuit or operate compressor on its own branch circuit
	2. Worn check valve	2. Replace **⚠ DANGER** ***Do not disassemble check valve with air in tank; bleed tank***
Tank pressure drops when compressor shuts off	1. Loose connections (fittings, tubing, etc.)	1. Check all connections with soap and water solution. Tighten; or remove and apply pipe dope or pipe tape to the threads, then reassemble.
	2. Open tank drain	2. Close drain
Air output lower than normal/low discharge pressure	1. Air leaks in piping (on machine or in outside system)	1. Check all connections with soap and water solution. Tighten; or remove and apply pipe dope or pipe tape to the threads, then reassemble.
	2. Piston ring worn	2. Replace
	3. Excessive air usage	3. Decrease air usage; compressor not large enough for air requirement
	4. Open tank drain	4. Close tank drain
Excessive moisture in discharge air	1. Excessive water in tank	1. Drain tank
	2. High humidity	2. Move to area of less humidity; use air line filter
Compressor runs continuously	1. Defective pressure switch	1. Replace switch
	2. Excessive air usage	2. Decrease air usage; compressor not large enough for air requirement
Motor runs but no air output	Belt worn	Replace belt

For Replacement Parts or Technical Assistance, Call 1-800-543-6400

Please provide following information:
- Model number
- Serial number (if any)
- Part description and number as shown in parts list

Address any correspondence to:
Campbell Hausfeld
Attn: Customer Service
100 Production Drive
Harrison, OH 45030 U.S.A.

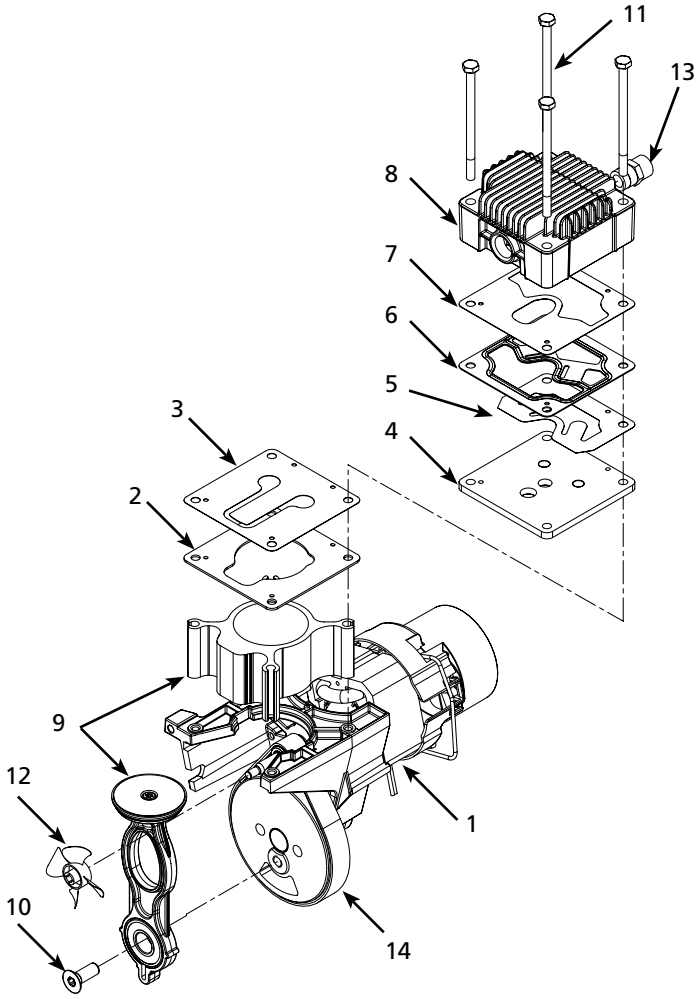


Figure 20 – Repair Parts Illustration for pump, model WL390100

Replacement Parts List for Pump, Model WL390100

Ref. No.	Description	Part No.	Qty.
1	Motor assembly kit (Includes #2, 3, 6, 7, 10, 12, & 14)	WL019100SJ	1
2	Cylinder gasket	▲	1
3	Intake valve	▲	1
4	Valve plate	▲	1
5	Exhaust valve	▲	1
6	Head gasket	▲	1
7	Exhaust valve gasket	▲	1
8	Head	WL010500AV	1
9	Piston assembly (Includes #10)	WL211000SJ	1
10	Piston bolt	ST071804AV	1
11	Head bolt	●	4
12	Fan	WL008400AV	1
13	Compression connector	ST159001AV	1
14	Belt kit (Includes #10, 12, check valve, & ferrules)	WL015303SJ	1
REPLACEMENT PARTS KITS			
●	Head bolt kit (Set of 4 ea., part #11)	WL211100AJ	1
▲	Valve plate kit (Includes #2-7)	WL211201SJ	1

TORQUE REQUIREMENTS

Piston Bolt . . . . . 350 - 450 in. lbs.

Head Bolts . . . . . 90 - 120 in. lbs.

For Replacement Parts or Technical Assistance, Call 1-800-543-6400

Please provide following information:
- Model number
- Serial number (if any)
- Part description and number as shown in parts list

Address any correspondence to:
Campbell Hausfeld
Attn: Customer Service
100 Production Drive
Harrison, OH 45030 U.S.A.

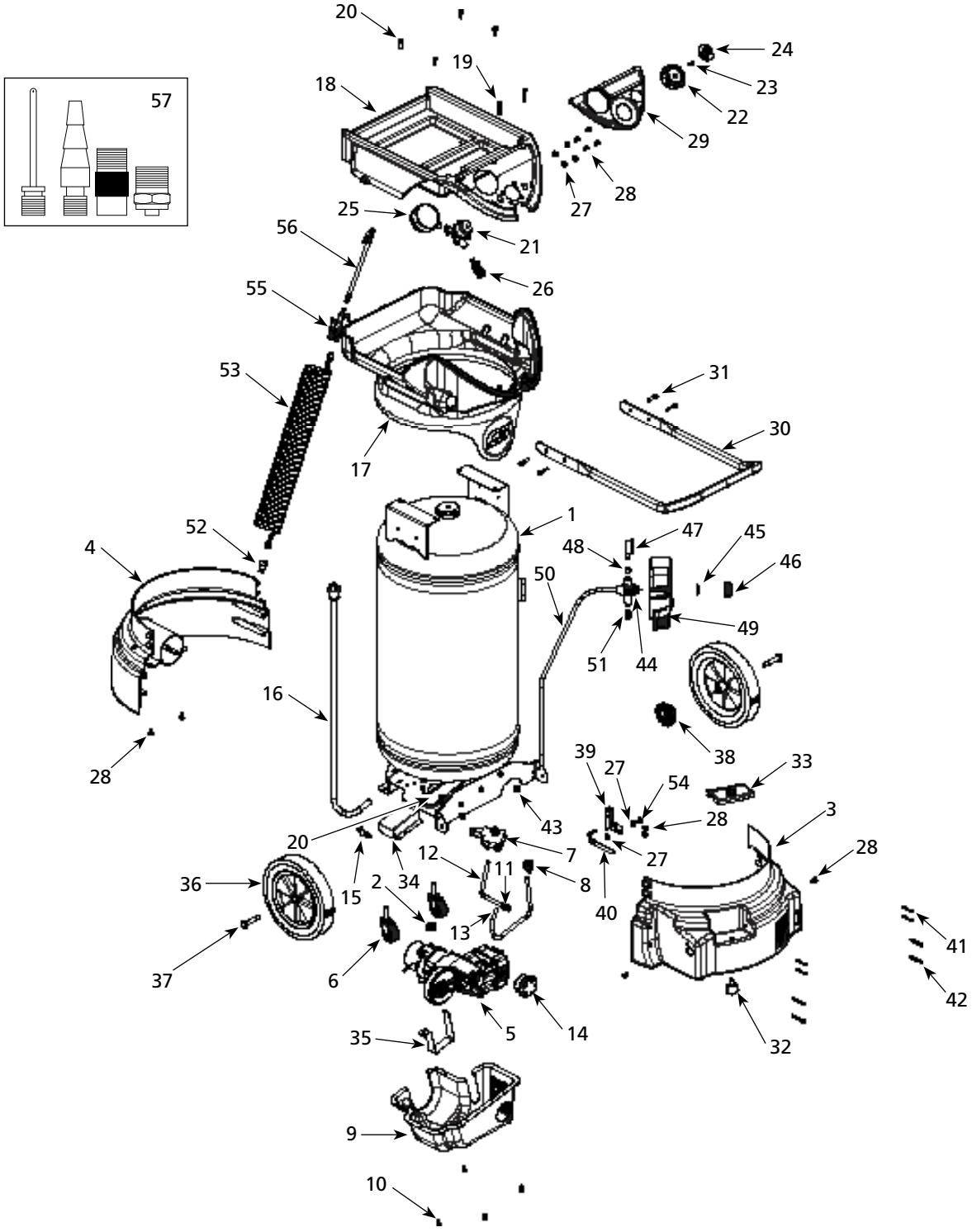


Figure 21 – Repair Parts Illustration for Rapid Inflation Air Compressor, model WL6701

Replacement Parts List for Rapid Inflation Air Compressor

Ref. No.	Description	Part No.	Qty.
1	26 Gallon Tank	AR062700CG	1
2	Rubber Grommet	WL008000AV	1
3	Bottom Front Shroud	WL045000AV	1
4	Lower Caster Side Shroud	WL044900AV	1
5	Millenium Pump/Motor Assembly	WL212000SJ	1
6	Caster Swivel Wheel - 2 in. Diameter	▲	2
7	Check Valve	CV309100AV	1
8	Pressure Switch	CW218300AV	1
9	Pump/Motor Shroud	■	1
10	#8 X .375 Self-Tapping Screw	■	4
11	Push Type - Straight Tube Fitting	ST119305AV	1
12	Exhaust Tube	●	1
13	Instant Air Tube	◆	1
14	Filter	WL026100AV	1
15	Strain Relief	WL012700AV	1
16	Power Cord	EC012601AV	1
17	Top Skirt	WL044700AV	1
18	Top Shroud	WL044600AV	1
19	1/4 in. X 1.50 in. Plastic Screw	▼	2
20	1/4-20 X .75 Self-Tapping Screw	▼	12
21	Regulator Assembly	RE300200AV	1
22	Regulator Knob	◗	1
23	#10 X .75 Self-Tapping Screw	◗	1
24	Regulator Knob Cover	◗	1
25	3 in. Outlet Gauge	GA032700AV	1
26	1/4” NPT Male Universal Coupler	HF203300AV	1
27	Washer - Plain Type “A”	▼ ★	6
28	Torx Button Head Screw	▼ ❍ ★	10
29	Control Panel without Switch	WL042200AV	1
30	Handle	❑	1
31	1/4-20 X 1.25 Self-Tapping Screw	❑	4
32	On/Off Switch	ST196400AV	1
33	On/Off Pedal	WL044500AV	1
34	Eccentric Cover	WL044400AV	1
35	Motor Bracket	BA018300AV	1
36	Wheel - 10” OD Black Hub	WA004000AV	2
37	Axle Bolt	ST033400AV	2
38	Wheel Cog Gear	★	1
39	Brake Bracket Mount	★	1
40	Brake Locking Arm	★	1
41	#8 X 1.50 in. Plastic Screw	❍	4
42	#12 X 1.75 in. Plastic Screw	❍	4
43	Hex Keps Nut	▲	2
44	Drain Valve	D-140700AV	1
45	Jam Nut and Washer Set	✖	1
46	Drain Knob and Screw	WL046100AV	1
47	Pressure Gauge, 1.5 in. Diameter	GA032900AV	1
48	1/4 - 18 Pipe Plug	†	1
49	Drain Shroud and Cup	✖	1
50	Drain Tube with Weight	WL046300AV	1
51	Safety Valve	V-215106AV	1
52	Tube to Hose Fitting	ST196000AV	1
53	50 ft. Recoil Hose	MP287400AV	1
54	Screw - Hex Head Machine	★	1
55	Lever Safety Blow Gun	MP216700AV	1
56	Tire Inflation Valve with Whip Hose	HF229900AV	1
57	Blowgun Inflator Kit	MP211600AV	1

REPLACEMENT PARTS KITS

▲	Caster Wheel Kit	WA005900AJ
■	Shroud kit	WL042900AJ
●	Exhaust Tube Kit (includes nuts and ferrules)	WL046600AJ
◆	Instant Air Tube Kit (includes nuts and ferrules)	WL046900AJ
▼	Upper Shroud Hardware Kit	ST172200AJ
◗	Regulator Knob Kit	RE300300AJ
❑	Handle Kit	HL037700AJ
❍	Lower Shroud Hardware Kit	ST172300AJ
★	Brake Assembly	WL047000AJ
✖	Shroud And Drain Cup Assembly	WL046200AJ
†	Standard Hardware Item	

Reminder: *Keep your dated proof of purchase for warranty purposes! Attach it to this manual or file it for safekeeping.*

Warranty

1. DURATION: From the date of purchase by the original purchaser as follows: One Year.
2. WHO GIVES THIS WARRANTY (WARRANTOR): Campbell Hausfeld / Scott Fetzer Company, 100 Production Drive, Harrison, Ohio, 45030, Telephone: (800) 543-6400
3. WHO RECEIVES THIS WARRANTY (PURCHASER): The original purchaser (other than for purposes of resale) of the Campbell Hausfeld product.
4. WHAT PRODUCTS ARE COVERED BY THIS WARRANTY: Any Campbell Hausfeld nailer, stapler, air tool, spray gun, inflator or air accessory supplied or manufactured by Warrantor.
5. WHAT IS COVERED UNDER THIS WARRANTY: Substantial defects in material and workmanship which occur within the duration of the warranty period.
6. WHAT IS NOT COVERED UNDER THIS WARRANTY:
   A. Implied warranties, including those of merchantability and FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED FROM THE DATE OF ORIGINAL PURCHASE AS STATED IN THE DURATION. If this product is used for commercial, industrial or rental purposes, the warranty will apply for ninety (90) days from the date of purchase. Some States do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.
   B. ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE, OR MALFUNCTION OF THE CAMPBELL HAUSFELD PRODUCT. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
   C. Any failure that results from an accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions provided in the owner's manual(s) supplied with product. Accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions shall also include the removal or alteration of any safety devices. If such safety devices are removed or altered, this warranty is void.
   D. Normal adjustments which are explained in the owner's manual(s) provided with the product.
   E. Items or service that are normally required to maintain the product, i.e. o-rings, springs, bumpers, debris shields, driver blades, fuses, batteries, gaskets, packings or seals, fluid nozzles, needles, sandblast nozzles, lubricants, material hoses, filter elements, motor vanes, abrasives, blades, cut-off wheels, chisels, chisel retainers, cutters, collets, chucks, rivet jaws, screw driver bits, sanding pads, back-up pads, impact mechanism, or any other expendable part not specifically listed. These items will only be covered for ninety (90) days from date of original purchase. Underlined items are warranted for defects in material and workmanship only.
7. RESPONSIBILITIES OF WARRANTOR UNDER THIS WARRANTY: Repair or replace, at Warrantor's option, products or components which are defective, have malfunctioned and/or failed to conform within duration of the warranty period.
8. RESPONSIBILITIES OF PURCHASER UNDER THIS WARRANTY:
   A. Provide dated proof of purchase and maintenance records.
   B. Deliver or ship the Campbell Hausfeld product or component to the nearest Campbell Hausfeld Authorized Service Center. Freight costs, if any, must be borne by the purchaser.
   C. Use reasonable care in the operation and maintenance of the products as described in the owner's manual(s).
9. WHEN WARRANTOR WILL PERFORM REPAIR OR REPLACEMENT UNDER THIS WARRANTY: Repair or replacement will be scheduled and serviced according to the normal work flow at the servicing location, and depending on the availability of replacement parts.

This Limited Warranty applies in the United States, Canada and Mexico only and gives you specific legal rights. You may also have other rights which vary from state to state or country to country.